

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P829740

Luminaire Tested: **OHBL-12SE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-A-UNV-L935-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

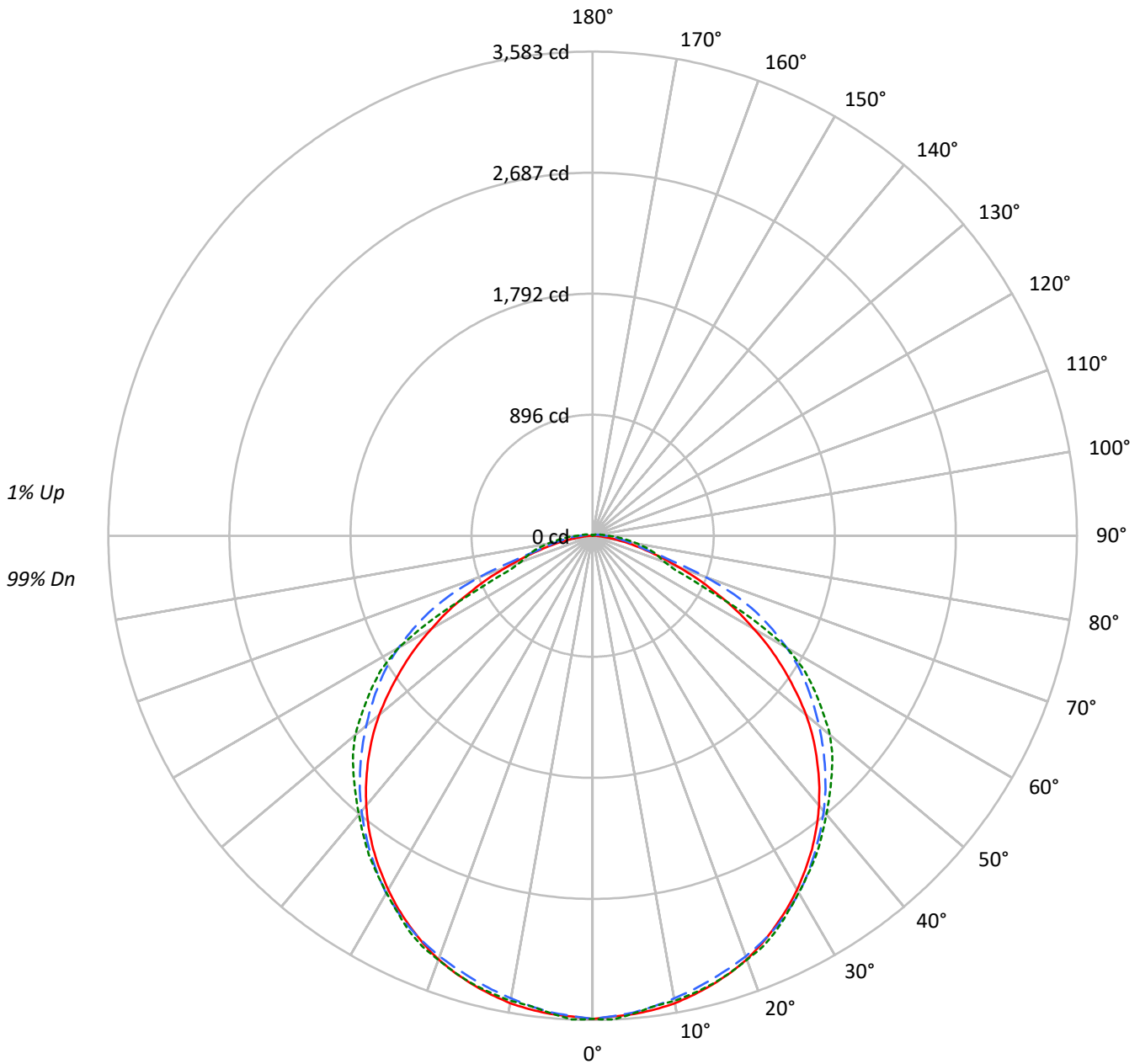
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10106.0 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P829740
CATALOG NUMBER: OHBL-12SE-A-UNV-L935-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11632	11632	11632
5°	11556	11395	11390
10°	11514	11156	11170
15°	11441	10962	11002
20°	11368	10815	10811
25°	11230	10666	10620
30°	11081	10470	10321
35°	10903	10197	10109
40°	10671	9914	9851
45°	10350	9595	9666
50°	9914	9237	9455
55°	9222	8874	8953
60°	8316	8380	8114
65°	7134	7562	5015
70°	5746	5763	3518
75°	4308	3307	3411
80°	2999	2610	3036
85°	1708	2180	2514



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	3.3
10°-20°	966.8	9.6
20°-30°	1476.5	14.6
30°-40°	1791.5	17.7
40°-50°	1877.7	18.6
50°-60°	1701.5	16.8
60°-70°	1140.8	11.3
70°-80°	512.3	5.1
80°-90°	185.9	1.8
90°-100°	56.0	0.6
100°-110°	26.4	0.3
110°-120°	13.2	0.1
120°-130°	7.3	0.1
130°-140°	5.0	0.0
140°-150°	3.4	0.0
150°-160°	2.5	0.0
160°-170°	1.6	0.0
170°-180°	0.5	0.0
0°-30°	2780.4	27.5
0°-40°	4572.0	45.2
0°-60°	8151.1	80.7
0°-90°	9990.1	98.9
90°-120°	95.6	0.9
90°-150°	111.3	1.1
90°-180°	116.0	1.1
0°-180°	10106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3576	3576	3576	3576	3576	
5°	3552	3565	3540	3551	3546	338
15°	3437	3424	3399	3429	3433	970
25°	3193	3179	3201	3231	3221	1472
35°	2830	2837	2866	2896	2885	1769
45°	2349	2387	2431	2493	2501	1809
55°	1728	1812	1935	2013	2008	1543
65°	1014	1173	1332	1124	918	1011
75°	399	579	426	436	464	436
85°	69	132	169	204	214	84
90°	0	44	87	110	115	4
95°	0	27	60	73	75	1
105°	2	12	30	36	37	2
115°	4	6	15	19	20	4
125°	4	4	9	11	11	4
135°	5	5	6	8	9	4
145°	5	5	5	6	6	3
155°	5	6	6	6	5	2
165°	6	6	6	6	6	2
175°	6	6	5	5	5	1
180°	5	5	5	5	5	



TEST NUMBER: P829740

CATALOG NUMBER: OHBL-12SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3575.5	3575.5	3575.5	3575.5	3575.5
2.5°	3561.0	3576.0	3557.4	3577.6	3582.7
5°	3552.2	3564.7	3539.8	3550.7	3546.0
7.5°	3536.2	3540.4	3510.9	3519.7	3510.4
10°	3512.4	3510.4	3475.7	3492.8	3494.9
12.5°	3477.3	3471.1	3440.1	3465.9	3466.4
15°	3437.0	3423.5	3399.2	3429.2	3433.3
17.5°	3390.4	3372.9	3356.8	3395.6	3389.4
20°	3336.1	3315.5	3312.4	3354.8	3339.2
22.5°	3268.9	3252.9	3260.1	3300.5	3290.6
25°	3192.9	3179.0	3201.2	3230.7	3221.4
27.5°	3112.8	3104.5	3129.9	3152.6	3134.5
30°	3024.9	3020.3	3053.9	3072.5	3049.7
32.5°	2929.3	2930.8	2962.9	2988.2	2967.0
35°	2830.0	2836.7	2865.7	2896.2	2884.8
37.5°	2720.9	2735.9	2764.9	2799.5	2787.6
40°	2605.6	2627.3	2659.4	2701.3	2690.4
42.5°	2481.0	2508.4	2549.8	2596.3	2595.3
45°	2348.7	2386.9	2431.4	2493.4	2501.2
47.5°	2211.2	2254.1	2310.4	2393.2	2405.0
50°	2061.8	2115.5	2185.8	2285.1	2292.3
52.5°	1895.3	1968.7	2061.8	2156.9	2148.1
55°	1728.3	1811.5	1935.1	2012.6	2008.0
57.5°	1561.8	1655.4	1805.3	1860.7	1860.1
60°	1375.7	1494.1	1658.0	1699.9	1658.5
62.5°	1203.6	1330.7	1500.8	1470.3	1328.7
65°	1014.3	1173.1	1331.8	1123.9	917.7
67.5°	846.3	1011.8	1131.2	769.8	659.2
70°	677.3	859.8	882.0	571.3	563.5
72.5°	527.3	721.7	608.5	489.1	513.9
75°	399.1	579.0	426.0	435.8	464.3
77.5°	291.1	444.6	331.4	382.1	405.3
80°	200.1	314.8	270.4	321.1	337.1
82.5°	125.6	207.8	216.6	258.5	275.0
85°	68.8	131.8	169.1	204.2	214.0
87.5°	28.4	79.6	129.2	157.7	166.0
90°	0.5	43.9	87.4	109.6	114.8
92.5°	0.5	33.6	71.3	88.4	92.0
95°	0.5	27.4	60.0	72.9	75.0
97.5°	1.0	21.7	50.1	60.5	62.6
100°	1.6	18.1	41.9	50.7	52.2
102.5°	2.1	14.5	35.2	42.4	43.9
105°	2.1	11.9	29.5	35.7	37.2



TEST NUMBER: P829740

CATALOG NUMBER: OHBL-12SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	7.2	17.6	22.2	23.3
115°	4.1	6.2	15.0	19.1	20.2
117.5°	4.1	5.2	12.9	16.0	17.1
120°	4.1	4.7	11.4	14.0	14.5
122.5°	4.1	4.1	9.8	12.4	12.9
125°	3.6	4.1	9.3	10.9	11.4
127.5°	4.1	4.1	8.3	9.8	10.3
130°	4.1	4.7	7.2	9.3	9.3
132.5°	4.7	5.2	6.7	8.8	8.8
135°	4.7	5.2	5.7	8.3	8.8
137.5°	5.2	5.2	5.2	7.8	8.3
140°	5.2	5.2	4.7	6.7	7.2
142.5°	4.7	5.2	4.7	6.2	6.7
145°	4.7	5.2	5.2	5.7	6.2
147.5°	5.2	5.2	5.2	5.2	5.7
150°	5.2	5.2	5.2	5.2	5.2
152.5°	5.2	5.2	5.2	5.2	5.2
155°	5.2	5.7	5.7	5.7	5.2
157.5°	5.2	5.7	5.7	5.7	5.7
160°	5.2	5.7	5.7	5.7	5.7
162.5°	5.7	5.7	5.7	5.7	5.7
165°	5.7	5.7	5.7	5.7	5.7
167.5°	5.7	6.2	5.7	5.7	5.7
170°	5.7	5.7	5.7	5.2	5.2
172.5°	5.7	5.7	5.7	5.2	5.2
175°	5.7	5.7	5.2	4.7	4.7
177.5°	6.2	5.7	5.2	4.7	4.1
180°	5.2	5.2	5.2	5.2	5.2



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	2.6	9.8	25.3	30.5	31.5
110°	3.1	8.3	21.2	25.8	26.9



(END OF REPORT)